



MARS Karting Class Rules

2021

Rookie Cage

- Weight after race 275 Pounds
- .375 Red Plate Unaltered ARC or speedkart restrictor plate required anodizing must remain intact with complete gaskets on both sides must be Installed behind carb before insulator
- Single Cylinder OHV engines clone or predator 212 No Animal
- Stock max displacement 212cc
- Min. Combustion chamber volume of 26cc
- Stock cylinder head No porting or polishing of intake or exhaust runners. No alterations may be performed in runners with the exemption of pulse fitting in intake port. No alterations to valve guide or bowl area. Head gasket is non tech
- Stock Crankshaft unaltered 2.165" max stroke (may put 2 tack welds on crank gear)
- SFI Approved flywheel required
- Connecting rod non tech
- Stock unaltered piston 2.756" max. All rings required to be installed
- Stock camshafts cores only, ez spin must remain stock. Max intake lift on cam .225" lift taken at push rod. Max Intake lift at valve .236" taken on the valve spring retainer with zero lash. Max exhaust lift on cam .232" lift taken at push rod Max exhaust lift at valve .243" taken on valve spring retainer with zero lash.
- Stock rocker arms unaltered
- Push rods non tech
- Stock Valves for the head unaltered
- Stock lifters unaltered
- 10.8 valve springs required with a max of 5 coils max wire diameter .071
- Retainers and locks non tech
- Valve cover non tech
- Stock side cover
- Ignition is non tech
- Exhaust Any weenie pipe with min length of tubing 5.5" and max 6.5" measured from gasket surface to the end of threads. Max od of tubing is .750 measured on the straight section of pipe. Rlv mini 91 muffler unaltered is required any attempt to let air out of pipe or muffler will be dq.
- Shoe Clutch Only
- Stock appearing Carb measuring a max .615 at venturi and .751 at exit measured with no guage no odd shapes must be round. Choke may be removed. Any attempt to draw air past carb will be automatic dq.
- Pump gas baseline designated by track
- Stock 196/212 insulator unaltered
- Starter is non tech
- Pull Start Only

Jr 1 Cage

- Weight after race 300 Pounds
- .425 Green Plate Unaltered ARC or speed kart restrictor plate required anodizing must remain intact with complete gaskets on both sides must be installed behind carb before insulator
- Single Cylinder OHV engines clone or predator 212 No Animal
- Stock max displacement 212cc
- Min. Combustion chamber volume of 26cc
- Stock cylinder head No porting or polishing of intake or exhaust runners. No alterations may be performed in runners with the exemption of pulse fitting in intake port. No alterations to valve guide or bowl area. Head gasket is non tech
- Stock Crankshaft unaltered 2.165" max stroke (may put 2 tack welds on crank gear)
- SFI Approved flywheel required
- Connecting rod non tech
- Stock unaltered piston 2.756" max. All rings required to be installed
- Stock camshafts cores only, ez spin must remain stock. Max intake lift on cam .225" lift taken at push rod. Max Intake lift at valve .236" taken on the valve spring retainer with zero lash. Max exhaust lift on cam .232" lift taken at push rod Max exhaust lift at valve .243" taken on valve spring retainer with zero lash.
- Stock rocker arms unaltered
- Push rods non tech
- Stock Valves for the head unaltered
- Stock lifters unaltered
- 10.8 valve springs required with a max of 5 coils max wire diameter .071
- Retainers and locks non tech
- Valve cover non tech
- Stock side cover
- Ignition is non tech
- Exhaust Any weenie pipe with min length of tubing 5.5" and max 6.5" measured from gasket surface to the end of threads. Max od of tubing is .750 measured on the straight section of pipe. RV mini 91 muffler unaltered is required any attempt to let air out of pipe or muffler will be dq.
- Clutch is non tech
- Stock appearing Carb measuring a max .615 at venturi and .751 at exit measured with no go gauge no odd shapes must be round. Choke may be removed. Any attempt to draw air past carb will be automatic dq.
- Pump gas baseline designated by track
- Stock 196/212 insulator unaltered
- Starter is non tech

Jr 1 Flat

- Weight after race 285 Pounds
- .425 Green Plate Unaltered ARC or speed kart restrictor plate required anodizing must remain intact with complete gaskets on both sides must be installed behind carb before insulator
- Single Cylinder OHV engines clone or predator 212 No Animal
- Stock max displacement 212cc
- Min. Combustion chamber volume of 26cc
- Stock cylinder head No porting or polishing of intake or exhaust runners. No alterations may be performed in runners with the exemption of pulse fitting in intake port. No alterations to valve guide or bowl area. Head gasket is non tech
- Stock Crankshaft unaltered 2.165" max stroke (may put 2 tack welds on crank gear)
- SFI Approved flywheel required
- Connecting rod non tech
- Stock unaltered piston 2.756" max. All rings required to be installed
- Stock camshafts cores only, ez spin must remain stock. Max intake lift on cam .225" lift taken at push rod. Max intake lift at valve .236" taken on the valve spring retainer with zero lash. Max exhaust lift on cam .232" lift taken at push rod Max exhaust lift at valve .243" taken on valve spring retainer with zero lash.
- Stock rocker arms unaltered
- Push rods non tech
- Stock Valves for the head unaltered
- Stock lifters unaltered
- 10.8 valve springs required with a max of 5 coils max wire diameter .071
- Retainers and locks non tech
- Valve cover non tech
- Stock side cover
- Ignition is non tech
- Exhaust Any weenie pipe with min length of tubing 5.5" and max 6.5" measured from gasket surface to the end of threads. Max od of tubing is .750 measured on the straight section of pipe. Rlv mini 91 muffler unaltered is required any attempt to let air out of pipe or muffler will be dq.
- Clutch is non tech
- Stock appearing Carb measuring a max .615 at venturi and .751 at exit measured with no go gauge no odd shapes must be round. Choke may be removed. Any attempt to draw air past carb will be automatic dq.
- Pump gas baseline designated by track
- Stock 196/212 insulator unaltered
- Starter is non tech
- Flat kart body required

Jr 2 Cage

- Weight after race 310 Pounds
- .550 Green Plate Unaltered ARC or speedkart restrictor plate required anodizing must remain intact with complete gaskets on both sides must be installed behind carb before insulator
- Single Cylinder OHV engines clone or predator 212 No Animal
- Stock max displacement 212cc
- Min. Combustion chamber volume of 26cc
- Stock cylinder head No porting or polishing of intake or exhaust runners. No alterations may be performed in runners with the exemption of pulse fitting in intake port. No alterations to valve guide or bowl area. Head gasket is non tech
- Stock Crankshaft unaltered 2.165" max stroke (may put 2 tack welds on crank gear)
- SFI Approved flywheel required
- Connecting rod non tech
- Stock unaltered piston 2.756" max. All rings required to be installed
- Stock camshafts cores only, ez spin must remain stock. Max intake lift on cam .225" lift taken at push rod. Max intake lift at valve .236" taken on the valve spring retainer with zero lash. Max exhaust lift on cam .232" lift taken at push rod Max exhaust lift at valve .243" taken on valve spring retainer with zero lash.
- Stock rocker arms unaltered
- Push rods non tech
- Stock Valves for the head unaltered
- Stock lifters unaltered
- 10.8 valve springs required with a max of 5 coils max wire diameter .071
- Retainers and locks non tech
- Valve cover non tech
- Stock side cover
- Ignition is non tech
- Exhaust is non tech
- Clutch is non tech
- Stock appearing Carb measuring a max .615 at venturi and .751 at exit measured with no go gauge no odd shapes must be round. Choke may be removed. Any attempt to draw air past carb will be automatic dq.
- Pump gas baseline designated by track
- Stock 196/212 insulator unaltered
- Starter is non tech

Jr. Factory Stock

- Weight after race 300 Pounds
- Single Cylinder OHV engines clone or predator 212 No Animal
- Stock max displacement 212cc
- Min. Combustion chamber volume of 28cc
- Stock cylinder head No porting or polishing of intake or exhaust runners. No visual alterations may be performed in runners with the exemption of pulse fitting in intake port. No alterations to valve guide or bowl area. Head gasket is non tech
- Stock Crankshaft unaltered 2.165" max stroke (may put 2 tack welds on crank gear)
- SFI Approved flywheel required with min weight of 3pds
- Stock unaltered Connecting rod max length 3.308
- Stock unaltered piston 2.756" max. All rings required to be installed
- Stock camshafts cores only, ez spin must remain stock. Max intake lift on cam .225" lift taken at push rod. Max Intake lift at valve .236" taken on the valve spring retainer with zero lash. Max exhaust lift on cam .232" lift taken at push rod Max exhaust lift at valve .243" taken on valve spring retainer with zero lash. @ .050 230 degrees max No Mod 2
- Stock rocker arms unaltered
- Push rods Stock Unaltered
- Stock Valves for the head unaltered
- Stock lifters unaltered
- 10.8 valve springs at height of .850 required Min installed height .815
- Retainers and locks Must be stock
- Valve cover must be stock may install pump port
- Stock side cover
- Ignition Must be stock
- Exhaust Any weenie pipe with min length of tubing 5.5" and max 6.5" measured from gasket surface to the end of threads. Max od of tubing is .750 measured on the straight section of pipe. Rlv mini 91 muffler unaltered is required any attempt to let air out of pipe or muffler will be dq.
- Shoe Clutch Only
- Stock Carb Unaltered in appearance measuring a max .615 at venturi and .751 at exit measured with no go guage no odd shapes must be round. No alterations to butterfly or shaft bolt non tech. Choke required. Any attempt to draw air past carb will be automatic dq.
- Pump gas baseline designated by track
- Stock 196/212 insulator unaltered
- Starter pull start only
- Pull Start Only
- Flat Kart Bodies Only

Jr Prostock

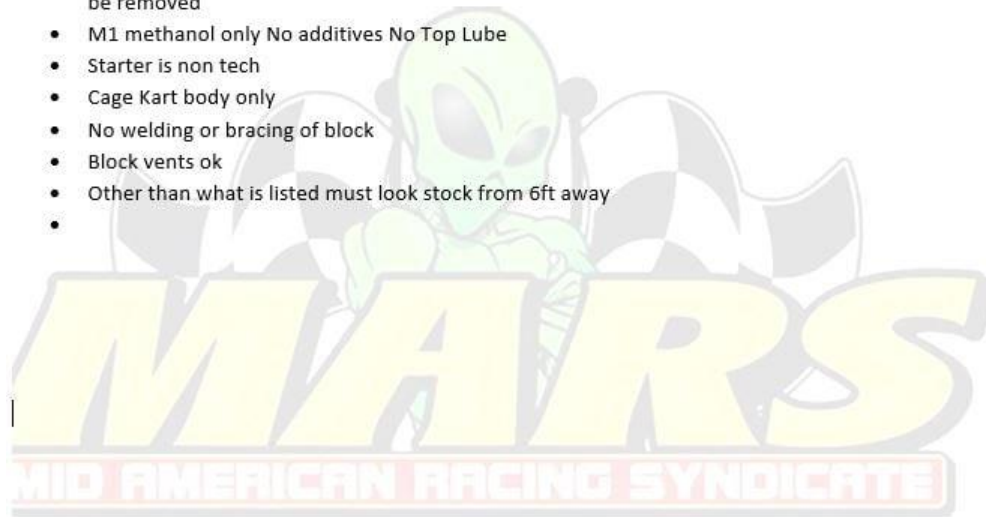
- Weight after race 310 Pounds
- Single Cylinder OHV engines clone or predator 212 No Animal
- Stock max displacement 212cc
- Min. Combustion chamber volume of 26cc
- Stock cylinder head No porting or polishing of intake or exhaust runners. No alterations may be performed in runners with the exemption of pulse fitting in intake port. No alterations to valve guide or bowl area. Head gasket is non tech
- Stock Crankshaft unaltered 2.165" max stroke (may put 2 tack welds on crank gear)
- SFI Approved flywheel required
- Connecting rod non tech
- Stock unaltered piston 2.756" max. All rings required to be installed
- Stock camshafts cores only, ez spin must remain stock. Max intake lift on cam .225" lift taken at push rod. Max Intake lift at valve .236" taken on the valve spring retainer with zero lash. Max exhaust lift on cam .232" lift taken at push rod Max exhaust lift at valve .243" taken on valve spring retainer with zero lash.
- Stock rocker arms unaltered
- Push rods non tech
- Stock Valves for the head unaltered
- Stock lifters unaltered
- 10.8 valve springs required with a max of 5 coils max wire diameter .071
- Retainers and locks non tech
- Valve cover non tech
- Stock side cover
- Ignition is non tech
- Exhaust is non tech
- Clutch is non tech
- Stock appearing Carb measuring a max .615 at venturi and .751 at exit measured with no go gauge no odd shapes must be round. Choke may be removed. Any attempt to draw air past carb will be automatic dq.
- Pump gas baseline designated by track
- Stock 196/212 insulator unaltered
- Starter is non tech
- Flat kart body required

Factory Stock

- Weight after race 350 Pounds
- Single Cylinder OHV engines clone or predator 212 No Animal
- Stock max displacement 212cc
- Min. Combustion chamber volume of 28cc
- Stock cylinder head No porting or polishing of intake or exhaust runners. No visual alterations may be performed in runners with the exemption of pulse fitting in intake port. No alterations to valve guide or bowl area. Head gasket is non tech
- Stock Crankshaft unaltered 2.165" max stroke (may put 2 tack welds on crank gear)
- SFI Approved flywheel required with min weight of 3pds
- Stock unaltered Connecting rod max length 3.308
- Stock unaltered piston 2.756" max. All rings required to be installed
- Stock camshafts cores only, ez spin must remain stock. Max intake lift on cam .225" lift taken at push rod. Max Intake lift at valve .236" taken on the valve spring retainer with zero lash. Max exhaust lift on cam .232" lift taken at push rod Max exhaust lift at valve .243" taken on valve spring retainer with zero lash. @ .050 230 degrees max No Mod 2
- Stock rocker arms unaltered
- Push rods Stock Unaltered
- Stock Valves for the head unaltered
- Stock lifters unaltered
- 10.8 valve springs at height of .850 required Min installed height .815
- Retainers and locks Must be stock
- Valve cover must be stock may install pump port
- Stock side cover
- Ignition Must be stock
- Exhaust Any weenie pipe with min length of tubing 5.5" and max 6.5" measured from gasket surface to the end of threads. Max od of tubing is .750 measured on the straight section of pipe. Rlv mini 91 muffler unaltered is required any attempt to let air out of pipe or muffler will be dq.
- Shoe Clutch Only
- Stock Carb Unaltered in appearance measuring a max .615 at venturi and .751 at exit measured with no go guage no odd shapes must be round. No alterations to butterfly or shaft bolt non tech. Choke required. Any attempt to draw air past carb will be automatic dq.
- Pump gas baseline designated by track
- Stock 196/212 insulator unaltered
- Starter pull start only
- Pull Start Only
- Flat Kart Bodies Only

Stock Appearing Cage

- Weight after race 425 Pounds
- Senior Champ Kart Non sprung only
- Manufactured Groove tires only
- Valve cover non tech
- Side cover non tech
- Ignition is non tech
- Exhaust is non tech
- Clutch is non tech
- Stock appearing small block Carb or pz carb and adaptor no hose adaptors no epoxy choke may be removed
- M1 methanol only No additives No Top Lube
- Starter is non tech
- Cage Kart body only
- No welding or bracing of block
- Block vents ok
- Other than what is listed must look stock from 6ft away
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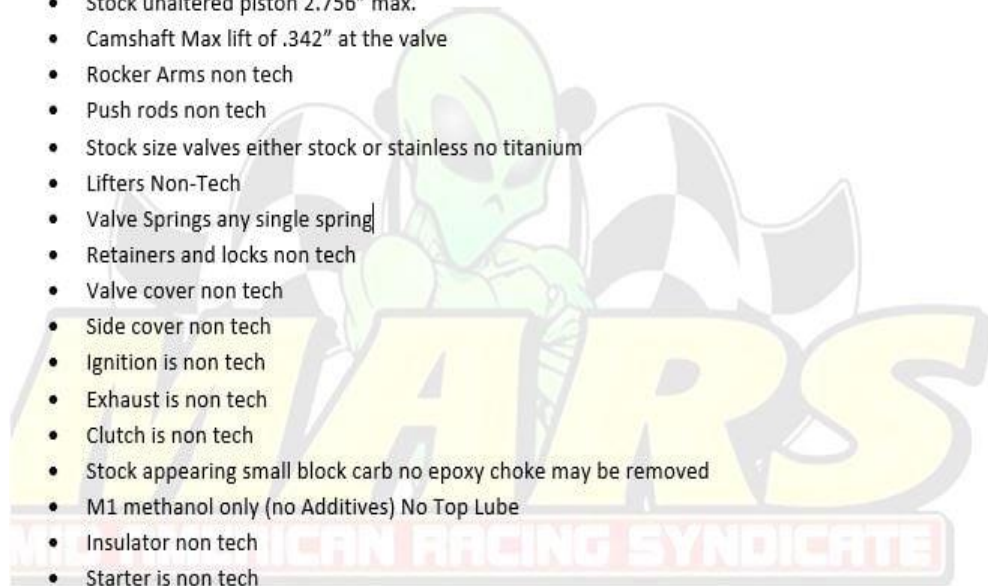


Prostock

- Weight after race 375 Pounds
- Single Cylinder OHV engines clone or predator 212 No Animal
- Stock max displacement 212cc
- Min. Combustion chamber volume of 26cc
- Stock cylinder head No porting or polishing of intake or exhaust runners. No alterations may be performed in runners with the exemption of pulse fitting in intake port. No alterations to valve guide or bowl area. Head gasket is non tech
- Stock Crankshaft unaltered 2.165" max stroke (may put 2 tack welds on crank gear)
- SFI Approved flywheel required
- Connecting rod non tech
- Stock unaltered piston 2.756" max. All rings required to be installed
- Stock camshafts cores only, ez spin must remain stock. Max intake lift on cam .225" lift taken at push rod. Max intake lift at valve .236" taken on the valve spring retainer with zero lash. Max exhaust lift on cam .232" lift taken at push rod Max exhaust lift at valve .243" taken on valve spring retainer with zero lash.
- Stock rocker arms unaltered
- Push rods non tech
- Stock Valves for the head unaltered
- Stock lifters unaltered
- 10.8 valve springs required with a max of 5 coils max wire diameter .071
- Retainers and locks non tech
- Valve cover non tech
- Stock side cover
- Ignition is non tech
- Exhaust is non tech
- Clutch is non tech
- Stock appearing Carb measuring a max .615 at venturi and .751 at exit measured with no go gauge no odd shapes must be round. Choke may be removed. Any attempt to draw air past carb will be automatic dq.
- Pump gas baseline designated by track
- Stock 196/212 insulator unaltered
- Starter is non tech
- Flat kart body required

Pro Modified

- Weight after race 375 Pounds
- Single Cylinder OHV engines clone or predator 212 No Animal
- Stock max displacement 212cc
- Min. Combustion chamber volume of 24cc
- Stock cylinder head No porting or polishing of intake or exhaust runners. No alterations may be performed in runners with the exemption of pulse fitting in intake port. No alterations to valve guide or bowl area. Head gasket is non tech
- Stock Crankshaft unaltered 2.165" max stroke (may put 2 tack welds on crank gear)
- SFI Approved flywheel required
- Connecting rod non tech
- Stock unaltered piston 2.756" max.
- Camshaft Max lift of .342" at the valve
- Rocker Arms non tech
- Push rods non tech
- Stock size valves either stock or stainless no titanium
- Lifters Non-Tech
- Valve Springs any single spring
- Retainers and locks non tech
- Valve cover non tech
- Side cover non tech
- Ignition is non tech
- Exhaust is non tech
- Clutch is non tech
- Stock appearing small block carb no epoxy choke may be removed
- M1 methanol only (no Additives) No Top Lube
- Insulator non tech
- Starter is non tech
- Flat kart body required



Open Class
Short and Simple
Weight 375 small block / 425 big block

